

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/761,557 A
Source: TFW16
Date Processed by STIC: 04/26/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/761,557A

DATE: 04/26/2006

TIME: 14:08:41

Input Set : A:\08739.ST25.txt
 Output Set: N:\CRF4\04262006\J761557A.raw

```

3 <110> APPLICANT: Surmeier, D. James
4      Tkatch, Tatiana
5      Baranauskas, Gytis
7 <120> TITLE OF INVENTION: Manipulation of Neuronal Ion Channels
9 <130> FILE REFERENCE: NWESTERN-08739
11 <140> CURRENT APPLICATION NUMBER: 10/761,557A
12 <141> CURRENT FILING DATE: 2004-01-21
14 <160> NUMBER OF SEQ ID NOS: 6
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 19
20 <212> TYPE: DNA
21 <213> ORGANISM: Rattus rattus
23 <400> SEQUENCE: 1
24 gcgaaatgtg acggagatc                                         19
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 19
29 <212> TYPE: DNA
30 <213> ORGANISM: Rattus rattus
32 <400> SEQUENCE: 2
33 ggaaacgagc agactccaa                                         19
36 <210> SEQ ID NO: 3
37 <211> LENGTH: 19
38 <212> TYPE: DNA
39 <213> ORGANISM: Rattus rattus
41 <400> SEQUENCE: 3
42 gcagaatggt gacgctaat                                         19
45 <210> SEQ ID NO: 4
46 <211> LENGTH: 19
47 <212> TYPE: DNA
48 <213> ORGANISM: Rattus rattus
50 <400> SEQUENCE: 4
51 ggcaatgttg agccgaaac                                         19
54 <210> SEQ ID NO: 5
55 <211> LENGTH: 19
56 <212> TYPE: DNA
57 <213> ORGANISM: Rattus rattus
59 <400> SEQUENCE: 5
60 cagccacttc gactatgac                                         19
63 <210> SEQ ID NO: 6
64 <211> LENGTH: 2858
65 <212> TYPE: DNA
66 <213> ORGANISM: Rattus rattus

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/761,557A

DATE: 04/26/2006
TIME: 14:08:41

Input Set : A:\08739.ST25.txt
Output Set: N:\CRF4\04262006\J761557A.raw

68 <400> SEQUENCE: 6
69 gtgcgttct ctgtttctt ggggttgggg gggcgtgtc cccggcccg agcatccttg 60
71 tgcttccttc aacttctga gaccccgac cccttggatt gagtctcga ccctggctt 120
73 cacccctgc ctccccctagg ttcttcctgc caaatccaa ccacctgtgc accacaaaa 180
75 gccaacttctt cctgctccga gccccgggg ggtgggggtgg gggggaggca ggggcagagc 240
77 cactctgcag aaggggccgc caccacctcc tgccttcctcc tcctccacca cctccctcctc 300
79 cttctcgctc cttcccccttc cccgttctga cgctgcctcc ttgggaaggg tggttggagg 360
81 gcacggccg ccccaagccg gagcccccga gcgcgttta tgatcagctc ggtgtgtgtc 420
83 tccttcctacc gggggcgaa gtcggggaaac aagcctccgt ccaaaacatg tctgaaggag 480
85 gagatggcca agggcgaggg gtcggagaag atcatcatca acgtggcgg cacgcgacat 540
87 gagacattacc gcagcaccct ggcaccccta cccggcaccgc gccttgcctg gctggcggat 600
89 cccgacggcg ggggtcggcc agagtcggat ggcggcggtg caggcagcag cggcagcagc 660
91 ggcggcggcg ggggtctgtga gttcttctt gatcggcacc cgggtgtttt tgcctatgtg 720
93 ctcaactact accgcacccgg caagctgcat tgcccccgcg acgtctgtgg gcctctctt 780
95 gagaaagagc tcactttctg gggatcgtat gagacagatg tggaaacctg ctgtggatg 840
97 acctaccggc agcaccggcga tgctgaagag gcaactggaca tcttcgagag cccggacggg 900
99 ggcgggggtg ggcacccggc cggcggcggag gctggagacg atgagcggga gttggcctt 960
101 cagcgcctgg gccccatga aggaggctctt ggccttgcgtt ctgggtccgg ggggtggcg 1020
103 ggctggcagc cccgaatgtg ggccgttctc gaggaccgt actcatcccg ggcggccagg 1080
105 gtggtagctt ttgcctctctt ctcttcatc ttggcttccat ttaccaccc ctgcctggag 1140
107 accccacgagg cttcaacat tgaccgaaat gtgaaggaga tccaccgggtt aggaatatac 1200
109 accagcgtgc gttccggcg ggaggttagaa acagaaccca ttcttaccta catcgagggc 1260
111 gtgtgcgtga tgggttccatc tctagagttt ctgggtcgca ttgtgtgtc ccctgatacg 1320
113 ttggactttt tcaagaacatc gtcacatc atcgactttt tggccatctt gcccttttac 1380
115 ctggaggtgg gattggagtgg cctgtcatcc aaggcagctc gagatgtgtc ggggttccctg 1440
117 cgtgtgtgtc gttttgtacg catccgtggg atttcaagc tcacacgcca ctttgtgggg 1500
119 ctgcgtgtgc tcggccacac actccggggc agcaccaacg agttccctgtc gcttatcatc 1560
121 ttccctggccc tgggtgtgtc catcttgcaccatgatct attatgtga gcaatcggg 1620
123 gccaggccat ctgacccacg gggcaatgac cacaccgact tcaagaacat ccccatcggt 1680
125 ttctgggtgg ctgtggtcac catgacaacg cttggctatg gggacatgta tcctaagaca 1740
127 tggtcaggaa tgctgggtgg tgcgtgtgt gcactggctg gtgtgctaac cattgcccattg 1800
129 cctgtgcctg tcatctgtcaa taactttgtt atgtactact ccctggctat ggcacagcag 1860
131 aagctccca agaaacgaaa gaagcatgta ccacggccac cccagcttga gtcacccatt 1920
133 tactgcgaat ctgaggagac ttccacccgg gacagcacct acagtgcacac cagccccct 1980
135 gcccggaaag agggtatggt cgagaggaaa cgagcagact ccaaggcagaa tggtgacgct 2040
137 aatgcgtgc tgcgtgtgtc ggagggagct ggcctcacc cagccctggc ctggggcccc 2100
139 accccctgaag agcgtcgagc cctgagacgc tcaggcacac gggacagaaa caagaaggca 2160
141 gtcgcctgtc tcctgttcac tgctggggac tatgcctgtc ctgtatggcag tggcggaaaa 2220
143 gaaggcagtg ttgagccaa acgtgtgtc ccaggtgtc acacctgtc tctttaaaca 2280
145 cagagacctg ccaagacgcc ctctgttcca actatgccc tgcgtgaatgc ctcaccctct 2340
147 ctttagagcgg caccaacgtg agaaagacag acagacagaa agccagaggc ttaggaaaac 2400
149 tctggaaaccg aggcacgaat ctgggtctgg gaaagatatac ttgtttgcac caagactgg 2460
151 gaaaaatct cccatgcac tctcaggccc cagagccatc tgggtctgtat actctgttct 2520
153 actgtacatt gaagagacat atatgcacat atagtatcta tattcatatac tactatatac 2580
155 tctttgtgtt agtgcacgtg ctactgggtgg tctgttccat tcgttaggct atgtctccca 2640
157 agtcctctgc ccaccctgtt tccccacccc ctcttccttc atggattgtt tcttcgtacc 2700
159 atgtttttgg agtgcacccag gagaggtata cctgggaccc gcccctccag ctgggtggtc 2760
161 ccaggctgtc ctcacttggg ggtgtccctt gccacggat ggcctgtca agtcagttga 2820
163 aggacgatt gcccttcggg ggtcactgtc tcacttagc 2858

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/761,557A

DATE: 04/26/2006

TIME: 14:08:42

Input Set : A:\08739.ST25.txt

Output Set: N:\CRF4\04262006\J761557A.raw